

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-9 (canceled)

1 ~~10~~ (currently amended) A correlation system including a frequency adding means having a predetermined plurality  $n$  of multiplying means (EXOR), an adder, a spreader, and a correlator, wherein

~~the plurality  $n$  the predetermined plurality  $n$~~  of multiplying means (EXOR) each <sup>receives</sup> ~~receive~~ a corresponding frequency component ( $F_1 - F_n$ ) and a symbol data  $DO(t)$  as a base and <sup>multiplies</sup> ~~multiply~~ both of the corresponding frequency component ( $F_1 - F_n$ ) and said symbol data  $DO(t)$  ~~them~~ to output a multiplied symbol data  $D_1(t) - D_n(t)$ , wherein  $n$  and  $t$  are integers.

the adder receives said multiplied symbol data  $D_1(t) - D_n(t)$  from a respective multiplying means (EXOR) and said ~~multiplied~~ symbol data  $DO(t)$  as the base and performs an adding process for ~~them~~ said multiplied symbol data and said symbol data  $DO(t)$  to output  $[[a]]$  <sup>a</sup> ~~said~~ resultant additional ~~addition~~ symbol data  $D(t)$ ,

the spreader receives a spread signal of said ~~addition~~ <sup>additional</sup> symbol data  $D(t)$  and superposes thereon a spread code  $L(t)$  to output a corrected reference signal  $R(t)$ , and

the correlator receives said corrected reference signal  $R(t)$  and a measurement signal  $S(t)$  and takes a correlation between ~~them~~ said corrected reference signal  $R(t)$  and said measurement signal  $S(t)$  to output a correlation output signal.

11. (canceled)

2 ~~12~~ (original) A correlation system according to claim ~~10~~<sup>1</sup>, wherein the measurement signal  $S(t)$  is a reception signal of a spread signal spectrum spread.

13. (canceled).

3 ~~14.~~ (original) A correlation system according to claim ~~10~~<sup>1</sup>, wherein the measurement signal  $S(t)$  is a spectrum spread signal of a W-CDMA system.

15. (canceled).

4 ~~16.~~ (Currently Amended) A correlation method ~~including a frequency adding step, having a predetermined plurality n of multiplying step (EXOR), an adding step, a spreading step, and a correlating step, wherein, comprising:~~

~~the predetermined plurality n of multiplying step (EXOR)~~ <sup>receiving</sup> each ~~receive~~ a corresponding frequency component  $(F1 - Fn)$  and a symbol data  $DO(t)$  as a base and <sup>multiplying</sup> ~~multiply~~ both of ~~them~~ the corresponding frequency component  $(F1-Fn)$  and said symbol data  $DO(t)$  to output a multiplied symbol data  $D1(t) - Dn(t)$ , wherein n and t are integers,

<sup>at each of a predetermined plurality of multiplying devices (EXOR)</sup> ~~wherein n and t are integers,~~

<sup>receiving</sup> ~~the adding step receives~~ said multiplied symbol data  $D1(t) - Dn(t)$  from a respective multiplying <sup>device</sup> ~~step~~ (EXOR) and said multiplied symbol data  $DO(t)$  as the base and ~~performs an adding process for them~~ said multiplied symbol data and said symbol data  $DO(t)$  to output  $[[a]]$

<sup>a</sup> ~~said~~ resultant additional addition symbol data  $D(t)$ ,

<sup>receiving</sup> ~~the spreading step receives~~ a spread signal of said <sup>additional</sup> ~~addition~~ symbol data  $D(t)$  and <sup>superposing</sup> ~~superposes~~ thereon a spread code  $L(t)$  to output a corrected reference signal  $R(t)$ , and

<sup>receiving</sup> ~~the correlating step receives~~ said corrected reference signal  $R(t)$  and a measurement signal  $S(t)$  and <sup>taking</sup> ~~takes~~ a correlation between ~~them~~ said corrected reference signal  $R(t)$  and said measurement signal  $S(t)$  to output a correlation output signal.

17. (canceled)

~~5 18.~~ (Currently Amended) A computer-readable medium embodying a program of instructions for execution by a the computer to perform a correlation method ~~including a frequency adding step having a predetermined plurality n of multiplying step (EXOR), an adding step, a spreading step, and a correlating step, wherein, comprising:~~

~~the predetermined plurality n of multiplying step (EXOR)~~ each <sup>receiving</sup> receive a corresponding frequency component (F1 - Fn) and a symbol data DO(t) as a base and <sup>multiply</sup> multiply both of the corresponding frequency component (F1-Fn) and said symbol data DO(t) ~~them~~ to output a multiplied symbol data D1(t) - Dn(t), <sup>at each of a predetermined plurality n of multiplying devices (EXOR)</sup> wherein n and t are integers,

<sup>receiving</sup> the adding step receives said multiplied symbol data D1(t) - Dn(t) from a respective multiplying <sup>device</sup> step (EXOR) and said ~~multiplied~~ symbol data DO(t) as the base and ~~performs an adding process for them~~ said multiplied symbol data and said symbol data DO(t) to output ~~said~~ <sup>a</sup> resultant additional addition symbol data D(t),

<sup>receiving</sup> the spreading step receives a spread signal of said <sup>additional</sup> ~~addition~~ symbol data D(t), and <sup>superposing</sup> superposes thereon a spread code L(t) to output a corrected reference signal R(t), and

<sup>receiving</sup> the correlating step receives said corrected reference signal R(t) and a measurement signal S(t) and <sup>taking</sup> ~~takes~~ a correlation between said correctd referene signal R(t) and said measurement signal S(t) ~~them~~ to output a correlation output signal.

19-20. (canceled)

~~6 21.~~ (Currently Amended) A correlation system including a frequency adding device having a predetermined plurality n of multiplying <sup>devices</sup> ~~device~~ (EXOR), an adder, a spreader, and a correlator, wherein

the predetermined plurality  $n$  of multiplying <sup>devices</sup> ~~device~~ (EXOR) each <sup>receives</sup> ~~receive~~ a corresponding frequency component  $(F1 - Fn)$  and a symbol data  $DO(t)$  as a base and <sup>multiplier</sup> ~~multiply~~ both of the corresponding frequency component  $(F1-Fn)$  and said symbol data  $DO(t)$   ~~$DO(t)$~~  them to output a multiplied symbol data  $D1(t) - Dn(t)$ , wherein  $n$  and  $t$  are integers.

the adder receives said multiplied symbol data  $D1(t) - Dn(t)$  from a respective multiplying device (EXOR) and said ~~multiplied~~ symbol data  $D0(t)$  as the base and performs an adding process for ~~them~~ said multiplied symbol data and said symbol data  $DO(t)$  to output  $[[a]]$  <sup>a</sup> ~~said~~ resultant additional ~~addition~~ symbol data  $D(t)$ ,

the spreader receives a spread signal of said <sup>additional</sup> ~~addition~~ symbol data  $D(t)$  and superposes thereon a spread code  $L(t)$  to output a corrected reference signal  $R(t)$ , and

the correlator receives said corrected reference signal  $R(t)$  and a measurement signal  $S(t)$  and takes a correlation between said corrected reference signal  $R(t)$  and said measurement signal  $S(t)$  ~~them~~ to output a correlation output signal.